

Title (en)
Method for manufacturing silica glass

Title (de)
Verfahren zum Herstellen von Quarzglas

Title (fr)
Procédé de fabrication du verre de quartz

Publication
EP 1035078 B1 20060517 (EN)

Application
EP 00104522 A 20000310

Priority
• JP 6325899 A 19990310
• JP 8848899 A 19990330
• JP 9598299 A 19990402

Abstract (en)
[origin: EP1035078A2] An optical member made of silica glass manufactured by the direct method where a material gas comprising an organosilicon compound is allowed to react in an oxidizing flame, said optical member having a 2×10^{14} molecules/cm³ or less concentration of formyl radical generated by X-ray irradiation whose dose is 0.01 Mrad or more and 1 Mrad or less.

IPC 8 full level
C03B 19/14 (2006.01); **C03B 8/04** (2006.01); **C03B 19/06** (2006.01); **C03C 3/06** (2006.01); **G03F 7/20** (2006.01)

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Cited by
EP1462717A3; EP1067096A3; CN112601721A; US6541405B1; WO2020041133A1; US11242277B2; US12006246B2

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 00104522 A 20000310; DE 60027942 T 20000310; US 16885105 A 20050629; US 52019000 A 20000307; US 61420003 A 20030708